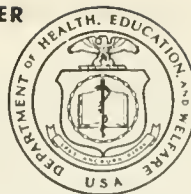


# Morbidity and Mortality



Vol. 18, No. 23

WEEKLY  
REPORT

For  
Week Ending  
June 7, 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION  
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## EPIDEMIOLOGIC NOTES AND REPORTS GROUP A MENINGOCOCCAL MENINGITIS Boston, Massachusetts

Since the first report of a case of Group A meningococcal infection to NCDC since 1967 last week (MMWR, Vol. 18, No. 22), two cases have been notified from Boston City Hospital. One case was in a 6-year-old boy hospitalized on May 24 with a 24-hour history of vomiting, progressive irritability, and neck pain. Physical examination revealed a febrile (101.4°F.), normotensive, semicomatose boy with nuchal rigidity and generalized petechiae. A lumbar puncture yielded cloudy cerebrospinal fluid, and gram negative intracellular diplococci were seen on microscopic examination. Intravenous penicillin was given and within 48 hours, the boy was afebrile and alert. Group A *Neisseria meningitidis* was isolated from

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two blood cultures as well as the cerebrospinal fluid.

The other case was in a 50-year-old man admitted on May 27 with a 48-hour history of headache and progressive obtundation. On physical examination, the patient was febrile (100.6°F.) but normotensive and no petechiae were seen. He was semicomatose and combative with marked nuchal rigidity. Lumbar puncture revealed turbid cere-

(Continued on page 198)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	23rd WEEK ENDED		MEDIAN 1964 - 1968	CUMULATIVE, FIRST 23 WEEKS		
	June 7, 1969	June 8, 1968		1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	24	48	24	622	688	654
Brucellosis	1	3	6	60	66	104
Diphtheria	3	—	1	66	84	78
Encephalitis, primary:						
Arthropod-borne & unspecified	13	28	28	439	379	573
Encephalitis, post-infectious	5	6	18	132	248	396
Hepatitis, serum	93	70	622	2,290	1,764	18,591
Hepatitis, infectious	825	781	9	21,017	19,374	128
Malaria	50	31	6,040	1,160	929	168,263
Measles (rubeola)	788	583	43	15,886	15,812	1,506
Meningococcal infections, total	48	33	---	1,878	1,506	---
Civilian	42	33	---	1,694	1,360	---
Military	6	—	---	184	146	---
Mumps	2,003	3,017	---	56,000	109,004	---
Poliomyelitis, total	—	1	1	2	22	17
Paralytic	—	1	1	2	22	15
Rubella (German measles)	2,218	1,535	---	39,456	36,112	---
Streptococcal sore throat & scarlet fever	6,583	6,906	6,906	241,599	239,890	239,890
Tetanus	1	3	5	50	55	73
Tularemia	7	1	5	60	78	78
Typhoid fever	3	9	8	122	116	151
Typhus, tick-borne (Rky. Mt. spotted fever)	18	9	9	93	55	41
Rabies in animals	60	68	87	1,696	1,726	2,054

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Rabies in man:	1
Botulism:	10	Rubella congenital syndrome:	5
Leptospirosis: * Calif.-4, Va.-1	29	Trichinosis: Ohio-1	39
Plague:	—	Typhus, murine: Tex.-1	7
Psittacosis:	13		

\*Delayed reports: Leptospirosis: La. 1

## GROUP A MENINGOCOCCAL MENINGITIS - (Continued from front page)

brospinal fluid with a cell count of 8,700, all of which were polymorphonuclear leukocytes on smear. Gram negative intracellular diplococci were seen on staining the cerebrospinal fluid, and intravenous penicillin was begun. Despite a series of grand mal seizures shortly after admission, the patient rapidly improved and was alert and afebrile 36 hours after admission. Group A *N. meningitidis* was isolated from the cerebrospinal fluid.

Both meningococcal isolates were sensitive to sulfadiazine being inhibited at or below concentrations of 0.75 µg per ml (.075 mg percent).

No connection could be established between these two persons, and no further cases of Group A meningococcal infection have occurred to date at Boston City Hospital.

(Reported by Lawrence Stolberg, M.D., I and III Medical Service, William Cranley, M.D., Pediatric Service, Miss A. Kathleen Daly, Chief Bacteriologist, and Maxwell Finland, M.D., Hospital Epidemiologist, Boston City Hospital; Nicholas J. Fiumara, M.D., M.P.H., Director, Division of Communicable Diseases, Massachusetts Department of Public Health; and an EIS Officer.)

## TULAREMIA - Addison County, Vermont

During the second and third weeks of April 1969, 13 symptomatic, serologically confirmed cases of tularemia were reported from Addison County, Vermont. This was the same area where in the spring of 1968, 47 cases had occurred in persons handling muskrats during the trapping and shooting season. The 1968 outbreak was the largest outbreak of human tularemia associated with aquatic mammals ever reported in North America.<sup>1</sup> As in 1968, all cases were in muskrat handlers. These 13 persons developed illnesses characterized by painful, slowly healing hand sores, local lymphadenopathy, and fever and were found to have agglutination titers against *Francisella tularensis* of 1:320 or greater. In addition to these 13 cases, one trapper had inapparent infection demonstrated by a rise in titer. This asymptomatic case and two of the symptomatic cases in 1969 had been included in a serologic survey during the 1968 outbreak: all three had been seronegative at that time.

In a survey conducted during May and June 1969 of 30 muskrat handlers not known to be infected, three persons who denied symptoms were found to have diagnostic tularemia agglutination titers of 1:160 or greater. These three individuals were not contacted by survey in 1968 and may have been infected at that time or earlier or may represent inapparent infections in 1969.

All persons with significant antibody had trapped in three areas which were the principal sources for cases

in the preceeding year's epidemic: Otter Creek, its principal tributary Dead Creek, and Little Otter Creek, all of which flow into the eastern shore of Lake Champlain. In some instances, trappers ill in 1969 took animals from the identical legally demarcated trapping areas where patients with tularemia in 1968 had trapped. As in 1968, there was no evidence of an animal epizootic; on the contrary, muskrats were in great abundance and the fur was considered of high quality. In 1968, *F. tularensis* had been cultured from 5 percent of the muskrats as well as mud and water in one trapping area.

Of the 47 patients diagnosed as cases of tularemia in 1968, 14 were known to have trapped again in 1969. One person in this group developed hand sores, local lymphadenopathy, and a fever of several days duration. Two agglutination titers over a 3-week period showed no change, and fluorescent antihody studies on exudate from his skin lesions were equivocal.

(Reported by Linus J. Leavens, M.D., Director, Bureau of Communicable Disease Control, and Dymitry Pomar, D.V.M., Director, Bureau of Laboratories, Vermont State Department of Health; the Bacterial Chemistry Unit and Bacterial Immunology Unit, Laboratory Division, NCDC; and a team of EIS Officers.)

## Reference:

<sup>1</sup>Young, L. S., Bicknell, D. S., Archer, B. G., Clinton, J. M., Leavens, L. J., Feeley, J. C., and Brachman, P. S.: Tularemia Epidemic - Vermont, 1968: Forty Seven Cases Linked to Contact with Muskrats. New Eng J Med, 280:1253-1260, 1969.

## TYPHOID FEVER - Oregon

Late in April 1969, typhoid fever was diagnosed among six members of a missionary family that was visiting in Portland, Oregon, enroute from the Philippines to North Dakota. The family left Cebu City on April 7 after a 4-year tour of duty. They stayed in Pasay City, Manila, from April 7 through 10, and stopped in Hong Kong and Japan between April 10-11 and in Honolulu on April 12. On April 10 the father had developed febrile gastroenteritis and by April

16 five other members had similar illnesses. When examined in Portland, four members had temperatures of 102-105°F. and appeared acutely ill. Two of these four were extremely weak and delirious and had rashes thought to be rose spots. The father and a 10-year-old daughter were afebrile but weak. *Salmonella typhi*, phage type B<sub>1</sub> was isolated from blood and/or stool cultures from all six members. The patients were treated with chloromycetin. Three of the

six were treated for less than 10 days and had relapses. Chloromycetin was recommended for them for an additional 14 days.

The source for the family's infection has not been confirmed. However, while they stayed in Pasay City, they admitted drinking from the city's water supply even though they had been warned that it was contaminated. (Reported by Mrs. Vivien Runte, R.N., Epidemiology Nurse, and Clifford Cookson, and Mrs. Brigitte Metcalf, Microbiologists, Oregon State Board of Health; David Johnson, M.D., D.V.M., M.P.H., Associate Professor of Public Health and Preventive Medicine, University of

Oregon; John Donnelly, M.D., M.P.H., Multnomah County Health Officer; and an EIS Officer.)

#### Editorial Comment:

The World Health Organization Weekly Epidemiological Record recently reported several outbreaks of typhoid fever in Manila.<sup>1</sup> Between February 17 and April 4, 35 suspected cases were reported from Pasay City, Manila, and by April 10, 28 suspected cases and four deaths had been recorded in the Tondo district of Manila.

#### Reference

<sup>1</sup>World Health Organization Weekly Epidemiological Record, 44(18):316.

### FOLLOW-UP HUMAN RABIES — Son Diego County, California

Rabies has been confirmed in the 2 1/2-year-old boy in San Diego County bitten by a rabid bobcat on April 1, 1969 (MMWR, Vol. 18, No. 18). Nervous tissue obtained on May 9 was positive by fluorescent rabies antibody staining. Indirect fluorescent antibody titers for rabies on April 24 and May 9 on sera obtained after the child's course of duck embryo vaccine, were 1:64 and 1:2,048, respectively, and on cerebrospinal fluid obtained on April 25 and May 9 were 1:8 and 1:512, respectively. Cultures of nervous tissue, saliva, cerebrospinal fluid, urine, stool, throat, and endotracheal washings have been negative for virus. Mouse inoculation tests on nervous tissue and saliva are still in progress.

The boy has remained comatose since April 27, is areflexic, and his breathing is maintained by a respirator. An electroencephalogram on May 27 was nearly isoelectric indicating profound cerebral damage.

(Reported by George L. Humphrey, D.V.M., Acting Chief, Veterinary Public Health, and Richard Emmons, M.D., Public Health Medical Officer, Bureau of Communicable Diseases, California Department of Public Health; J. B. Askeew, M.D., Health Director, and Donald Romras, M.D., Assistant Health Director, San Diego County Health Department; V. Robert Allen, M.D., Attending Pediatrician, and Edwin Protos, M.D., Pediatric Resident, University Hospital of San Diego County.)

### SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas May 1969 and May 1968 — Provisional Data

Reporting Area	May		Cumulative Jan - May		Reporting Area	May		Cumulative Jan - May	
	1969	1968	1969	1968		1969	1968	1969	1968
NEW ENGLAND.....	26	23	135	147	EAST SOUTH CENTRAL.....	85	129	456	615
Maine.....	—	1	2	2	Kentucky.....	16	8	91	46
New Hampshire.....	—	—	—	—	Tennessee.....	12	43	140	142
Vermont.....	—	—	1	—	Alabama.....	26	41	97	270
Massachusetts.....	18	16	83	89	Mississippi.....	31	37	128	157
Rhode Island.....	2	2	14	19	WEST SOUTH CENTRAL.....	300	335	1,491	1,483
Connecticut.....	6	4	35	37	Arkansas.....	22	11	66	57
MIDDLE ATLANTIC.....	297	226	1,572	1,303	Louisiana.....	39	97	276	359
Upstate New York.....	25	23	125	85	Oklahoma.....	6	16	38	39
New York City.....	210	141	1,088	819	Texas.....	233	211	1,111	1,028
Pa. (Excl. Phila.).....	14	15	60	100	MOUNTAIN.....	41	45	232	223
Philadelphia.....	14	11	87	113	Montana.....	1	2	2	4
New Jersey.....	34	36	212	186	Idaho.....	—	—	2	3
EAST NORTH CENTRAL.....	225	248	1,061	1,263	Wyoming.....	—	—	4	—
Ohio.....	28	33	157	207	Colorado.....	4	1	24	9
Indiana.....	39	38	150	151	New Mexico.....	14	15	102	63
Downstate Illinois.....	22	19	111	72	Arizona.....	13	27	74	122
Chicago.....	86	96	374	437	Utah.....	5	—	5	2
Michigan.....	50	58	266	386	Nevada.....	4	—	19	20
Wisconsin.....	—	4	3	10	PACIFIC.....	159	178	779	741
WEST NORTH CENTRAL.....	29	36	132	158	Washington.....	6	6	20	23
Minnesota.....	5	1	14	16	Oregon.....	6	5	20	16
Iowa.....	2	4	19	16	California.....	144	167	736	699
Missouri.....	16	17	67	78	Alaska.....	—	—	—	—
North Dakota.....	—	2	4	2	Hawaii.....	3	—	3	3
South Dakota.....	1	5	7	19	U. S. TOTAL.....	1,621	1,702	7,911	8,186
Nebraska.....	1	2	11	16	TERRITORIES.....	87	111	514	466
Kansas.....	4	5	10	11	Puerto Rico.....	84	110	508	439
SOUTH ATLANTIC.....	459	482	2,053	2,253	Virgin Islands.....	3	1	6	27
Delaware.....	4	5	16	17					
Maryland.....	28	35	183	185					
District of Columbia.....	45	49	223	274					
Virginia.....	25	27	106	117					
West Virginia.....	4	2	8	14					
North Carolina.....	61	54	238	305					
South Carolina.....	60	39	253	231					
Georgia.....	76	72	396	348					
Florida.....	156	199	630	762					

Note: Cumulative Totals include revised and delayed reports through previous months.

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
JUNE 7, 1969 AND JUNE 8, 1968 (23rd WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post- Infectious	Serum	Infectious			
	1969	1969	1969	1969	1968	1969	1969	1969	1968	1969	Cum. 1969
UNITED STATES...	24	1	3	13	28	5	93	825	781	50	1,160
NEW ENGLAND.....	-	-	-	1	1	-	2	57	30	-	39
Maine.....*	-	-	-	-	-	-	-	3	2	-	2
New Hampshire.....	-	-	-	-	-	-	1	6	1	-	2
Vermont.....	-	-	-	-	-	-	1	1	-	-	-
Massachusetts.....	-	-	-	-	-	-	-	23	17	-	30
Rhode Island.....	-	-	1	-	-	-	-	19	4	-	1
Connecticut.....	-	-	-	-	1	-	-	5	6	-	4
MIDDLE ATLANTIC.....	4	-	-	1	11	-	43	158	140	4	129
New York City.....	-	-	-	-	6	-	30	36	42	2	11
New York, up-State.....	1	-	-	-	-	-	1	18	16	1	23
New Jersey...*	1	-	-	-	2	-	12	47	43	1	44
Pennsylvania...*	2	-	-	1	3	-	-	57	39	-	51
EAST NORTH CENTRAL...	1	-	-	5	6	1	6	123	131	17	111
Ohio.....	-	-	-	3	2	-	1	29	30	3	13
Indiana.....	-	-	-	-	1	-	-	9	12	-	7
Illinois.....	1	-	-	1	1	1	1	29	44	13	59
Michigan.....	-	-	-	1	-	-	4	52	42	1	31
Wisconsin.....	-	-	-	-	2	-	-	4	3	-	1
WEST NORTH CENTRAL...	-	1	-	-	3	-	4	26	36	3	81
Minnesota.....	-	-	-	-	-	-	3	8	9	-	7
Iowa.....*	-	1	-	-	-	-	-	3	6	-	6
Missouri.....	-	-	-	-	-	-	-	9	11	-	23
North Dakota.....	-	-	-	-	-	-	-	1	-	-	2
South Dakota.....	-	-	-	-	3	-	-	-	1	-	-
Nebraska.....	-	-	-	-	-	-	-	3	1	-	3
Kansas.....	-	-	-	-	-	-	1	2	8	3	40
SOUTH ATLANTIC.....	4	-	-	3	1	2	12	82	62	10	366
Delaware.....	-	-	-	-	-	-	-	-	5	-	2
Maryland.....	1	-	-	1	-	-	2	20	17	-	10
Dist. of Columbia..	-	-	-	-	-	-	-	-	2	-	1
Virginia.....	-	-	-	-	1	-	-	5	5	-	15
West Virginia.....	1	-	-	-	-	-	-	3	8	-	-
North Carolina.....	1	-	-	-	-	-	-	9	-	7	169
South Carolina.....	-	-	-	1	-	-	-	10	4	-	29
Georgia.....	-	-	-	-	-	-	-	10	1	3	122
Florida.....	1	-	-	1	-	2	10	25	20	-	18
EAST SOUTH CENTRAL...	1	-	-	2	2	1	-	59	58	-	32
Kentucky.....	-	-	-	-	-	-	-	19	23	-	26
Tennessee.....	1	-	-	2	-	1	-	19	24	-	-
Alabama...*	-	-	-	-	-	-	-	7	4	-	6
Mississippi.....	-	-	-	-	2	-	-	14	7	-	-
WEST SOUTH CENTRAL...	4	-	-	-	-	1	-	51	58	1	33
Arkansas.....	-	-	-	-	-	-	-	-	1	-	5
Louisiana...*	2	-	-	-	-	-	-	7	5	1	25
Oklahoma...*	-	-	-	-	-	-	-	11	21	-	3
Texas.....	2	-	-	-	-	1	-	33	31	-	-
MOUNTAIN.....	1	-	3	-	1	-	1	41	17	10	86
Montana.....	1	-	-	-	-	-	-	2	8	-	-
Idaho.....	-	-	-	-	-	-	-	2	-	-	2
Wyoming.....	-	-	-	-	-	-	-	1	-	-	-
Colorado.....	-	-	-	-	1	-	1	11	-	6	74
New Mexico.....	-	-	-	-	-	-	-	1	5	-	4
Arizona.....	-	-	3	-	-	-	-	13	3	-	1
Utah.....	-	-	-	-	-	-	-	6	1	-	1
Nevada.....	-	-	-	-	-	-	-	5	-	4	4
PACIFIC.....	9	-	-	1	3	-	25	228	249	5	283
Washington.....	1	-	-	-	-	-	1	40	13	-	5
Oregon.....	-	-	-	-	-	-	1	28	17	-	6
California.....	8	-	-	1	2	-	23	159	219	5	220
Alaska.....	-	-	-	-	1	-	-	-	-	-	1
Hawaii.....	-	-	-	-	-	-	-	1	-	-	51
Puerto Rico...*	1	-	-	-	-	-	-	23	15	-	1

\*Delayed reports: Encephalitis, primary: Pa. delete 1

Hepatitis, infectious: Me. 7, Ala. 1, La. delete 1, Okla. delete 1, P.R. 13

Malaria: N.J. delete 1, Iowa 1



TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JUNE 7, 1969 AND JUNE 8, 1968 (23rd WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA	
	1969	Cumulative		1969	Cumulative			1969	Total	Paralytic		
		1969	1968		1969	1968			1969	1969		Cum. 1969
UNITED STATES...	788	15,886	15,812	48	1,878	1,506	2,003	-	-	2	2,218	
NEW ENGLAND.....	66	800	857	-	59	78	258	-	-	-	133	
Maine.....*	-	4	30	-	5	6	10	-	-	-	8	
New Hampshire.....	8	224	113	-	1	7	6	-	-	-	4	
Vermont.....	-	2	1	-	-	1	14	-	-	-	8	
Massachusetts.*...	22	156	263	-	27	35	126	-	-	-	54	
Rhode Island.....	1	10	1	-	5	7	25	-	-	-	9	
Connecticut.....	35	404	449	-	21	22	77	-	-	-	50	
MIDDLE ATLANTIC.....	316	5,757	2,684	12	298	253	174	-	-	-	104	
New York City.....	175	3,936	1,137	-	51	50	133	-	-	-	42	
New York, Up-State..	13	479	1,011	-	46	42	NN	-	-	-	14	
New Jersey...*	57	657	444	8	134	90	41	-	-	-	10	
Pennsylvania.....	71	685	92	4	67	71	NN	-	-	-	38	
EAST NORTH CENTRAL...	57	1,609	3,268	9	250	169	408	-	-	-	571	
Ohio.....	15	266	258	5	88	45	43	-	-	-	22	
Indiana.....	9	445	568	3	32	19	65	-	-	-	114	
Illinois.....	19	307	1,231	-	39	39	65	-	-	-	64	
Michigan.....	4	150	206	-	74	51	116	-	-	-	248	
Wisconsin.....	10	441	1,005	1	17	15	119	-	-	-	123	
WEST NORTH CENTRAL...	16	457	325	1	97	77	177	-	-	-	145	
Minnesota.....	-	2	13	-	17	18	-	-	-	-	1	
Iowa.....*	15	303	81	1	12	5	62	-	-	-	99	
Missouri...*	-	16	73	-	44	26	109	-	-	-	26	
North Oakota.....	-	7	111	-	-	3	6	-	-	-	2	
South Oakota.....	-	1	4	-	1	4	NN	-	-	-	-	
Nebraska.....	1	124	35	-	9	6	-	-	-	-	16	
Kansas.....	-	4	8	-	14	15	-	-	-	-	1	
SOUTH ATLANTIC.....	45	2,089	1,156	6	330	317	220	-	-	-	378	
Delaware.....	25	288	12	-	4	5	1	-	-	-	1	
Maryland.....	1	32	72	1	32	21	24	-	-	-	28	
Dist. of Columbia..	-	1	6	-	9	11	11	-	-	-	12	
Virginia....*	-	824	237	-	37	23	27	-	-	-	115	
West Virginia.....	3	159	183	-	14	8	105	-	-	-	154	
North Carolina.*...	12	207	264	2	57	62	NN	-	-	-	-	
South Carolina.....	2	102	12	1	48	54	12	-	-	-	9	
Georgia.....	-	1	3	1	57	58	1	-	-	-	-	
Florida.....	2	475	367	1	72	75	39	-	-	-	59	
EAST SOUTH CENTRAL...	5	82	411	3	113	130	96	-	-	-	77	
Kentucky.....	4	47	91	1	39	49	26	-	-	-	23	
Tennessee.....	-	15	54	1	41	44	68	-	-	-	53	
Alabama....*	-	1	69	-	19	18	-	-	-	-	1	
Mississippi.....	1	19	197	1	14	19	2	-	-	-	-	
WEST SOUTH CENTRAL...	208	3,690	4,162	4	262	258	158	-	-	2	257	
Arkansas.....	-	29	2	-	27	15	-	-	-	-	-	
Louisiana.....	-	103	2	-	70	68	-	-	-	-	-	
Oklahoma.....	6	125	105	-	25	48	38	-	-	-	55	
Texas.....	202	3,433	4,053	4	140	127	120	-	-	2	202	
MOUNTAIN.....	51	563	816	1	35	24	131	-	-	-	150	
Montana.....	-	8	57	-	4	2	6	-	-	-	-	
Idaho.....	6	54	15	-	6	10	4	-	-	-	1	
Wyoming.....	-	-	49	-	-	-	1	-	-	-	-	
Colorado.....	8	112	416	-	6	7	21	-	-	-	98	
New Mexico.....	6	182	77	-	6	-	25	-	-	-	15	
Arizona.....	31	203	178	1	9	1	68	-	-	-	30	
Utah.....	-	3	19	-	2	1	6	-	-	-	6	
Nevada.....	-	1	5	-	2	3	-	-	-	-	-	
PACIFIC.....	24	839	2,133	12	434	200	381	-	-	-	403	
Washington.....	-	53	491	-	50	33	116	-	-	-	82	
Oregon.....	3	175	412	-	10	16	16	-	-	-	17	
California.....	20	585	1,195	11	354	139	234	-	-	-	280	
Alaska...*	---	6	1	---	11	1	---	---	---	-	---	
Hawaii.....	1	20	34	1	9	11	15	-	-	-	24	
Puerto Rico...*	90	799	309	-	13	17	62	-	-	-	6	

\*Delayed reports: Measles: Mass. delete 5, N.J. delete 2, Iowa 18, Mo. delete 3, Va. delete 30, N.C. delete 1, Alaska delete 5, P.R. 55

Meningococcal infections: Ala. 2

Mumps: Me. 2, P.R. 29

Rubella: Me. 4, Mo. 3, Va. 30, Alaska 6, P.R. 7

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
JUNE 7, 1969 AND JUNE 8, 1968 (23rd WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	6,583	1	50	7	60	3	122	18	93	60	1,696
NEW ENGLAND.....	982	-	-	4	8	-	2	-	-	-	6
Maine.....*	11	-	-	-	-	-	1	-	-	-	4
New Hampshire.....	32	-	-	-	-	-	-	-	-	-	-
Vermont.....	57	-	-	4	8	-	-	-	-	-	1
Massachusetts.....	214	-	-	-	-	-	1	-	-	-	-
Rhode Island.....	71	-	-	-	-	-	-	-	-	-	-
Connecticut.....	597	-	-	-	-	-	-	-	-	-	1
MIDDLE ATLANTIC.....	447	1	8	-	2	-	12	1	5	3	55
New York City.....	51	-	5	-	1	-	6	-	-	-	-
New York, Up-State..	285	-	2	-	1	-	4	-	-	3	52
New Jersey.....	33	1	1	-	-	-	-	-	-	-	-
Pennsylvania.....	111	-	-	-	-	-	2	1	5	-	3
EAST NORTH CENTRAL...	500	-	7	-	4	1	11	-	-	4	105
Ohio.....	86	-	-	-	-	-	6	-	-	-	30
Indiana.....	78	-	-	-	1	-	-	-	-	2	30
Illinois.....	150	-	5	-	2	1	2	-	-	1	19
Michigan.....	115	-	2	-	-	-	3	-	-	-	2
Wisconsin.....	71	-	-	-	1	-	-	-	-	1	24
WEST NORTH CENTRAL...	177	-	2	-	6	-	4	-	1	14	303
Minnesota.....	5	-	-	-	-	-	1	-	-	2	76
Iowa.....	59	-	-	-	-	-	-	-	-	2	41
Missouri.....	3	-	-	-	3	-	2	-	-	3	94
North Dakota.....	38	-	-	-	-	-	-	-	-	2	39
South Dakota.....	11	-	-	-	-	-	-	1	-	-	13
Nebraska.....	12	-	-	-	-	-	1	-	-	1	10
Kansas.....	49	-	2	-	3	-	-	-	-	4	30
SOUTH ATLANTIC.....	728	-	10	1	17	2	21	11	47	22	491
Delaware.....	10	-	-	-	-	-	1	-	-	-	-
Maryland.....	122	-	-	-	-	-	3	7	15	-	-
Dist. of Columbia..	14	-	2	-	-	-	1	-	-	-	-
Virginia.....	177	-	-	-	1	-	-	2	11	4	254
West Virginia.....	154	-	1	-	2	-	1	-	3	5	78
North Carolina..*	1	-	1	-	5	1	4	1	15	-	4
South Carolina.....	146	-	1	-	2	-	1	1	3	-	-
Georgia.....	7	-	-	1	3	-	7	-	-	5	43
Florida.....	97	-	5	-	4	1	3	-	-	8	112
EAST SOUTH CENTRAL...	1,112	-	4	-	8	-	12	1	17	2	274
Kentucky.....	83	-	2	-	-	-	2	-	1	1	151
Tennessee.....	828	-	2	-	7	-	8	1	15	-	93
Alabama.....	63	-	-	-	-	-	-	-	1	1	30
Mississippi.....	138	-	-	-	1	-	2	-	-	-	-
WEST SOUTH CENTRAL...	608	-	13	2	8	-	17	3	14	7	227
Arkansas.....	8	-	-	-	1	-	8	-	3	-	17
Louisiana.....	13	-	5	-	-	-	-	-	-	-	13
Oklahoma.....	77	-	1	1	5	-	-	2	8	1	37
Texas.....	510	-	7	1	2	-	9	1	3	6	160
MOUNTAIN.....	1,352	-	-	-	7	-	17	1	6	5	76
Montana.....	21	-	-	-	-	-	-	-	-	-	-
Idaho.....	96	-	-	-	-	-	1	1	1	-	-
Wyoming..*	-	-	-	-	2	-	5	-	-	1	41
Colorado.....	881	-	-	-	-	-	2	-	5	1	3
New Mexico.....	166	-	-	-	1	-	5	-	-	-	8
Arizona.....	103	-	-	-	-	-	3	-	-	2	19
Utah.....	85	-	-	-	4	-	-	-	-	1	2
Nevada.....	-	-	-	-	-	-	1	-	-	-	3
PACIFIC.....	677	-	6	-	-	-	26	1	3	3	159
Washington.....	518	-	1	-	-	-	1	1	2	-	-
Oregon.....	97	-	-	-	-	-	6	-	-	-	-
California.....	-	-	5	-	-	-	19	-	1	3	159
Alaska.....	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	62	-	-	-	-	-	-	-	-	-	-
Puerto Rico..*	2	-	2	-	-	-	3	-	-	2	15

\*Delayed reports: SST: Me. 7, Wyo. 3, P.R. 2  
RMSF: N.C. 1

Rabies in animals: P.R. 1

Week No.  
23

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JUNE 7, 1969

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	767	437	35	39	SOUTH ATLANTIC:	1,304	692	45	69
Boston, Mass.-----	248	135	9	13	Atlanta, Ga.-----	106	55	4	7
Bridgeport, Conn.-----	49	23	3	4	Baltimore, Md.-----	264	150	6	9
Cambridge, Mass.-----	23	14	7	-	Charlotte, N. C.-----	68	30	3	6
Fall River, Mass.-----	36	26	-	-	Jacksonville, Fla.-----	118	59	4	9
Hartford, Conn.-----	57	38	3	3	Miami, Fla.-----	111	61	-	6
Lowell, Mass.-----	28	13	3	2	Norfolk, Va.-----	60	28	2	3
Lynn, Mass.-----	20	9	-	3	Richmond, Va.-----	78	37	2	5
New Bedford, Mass.-----	31	19	2	-	Savannah, Ga.-----	44	23	6	2
New Haven, Conn.-----	71	42	1	2	St. Petersburg, Fla.-----	82	62	4	1
Providence, R. I.-----	66	39	1	4	Tampa, Fla.-----	80	49	6	5
Somerville, Mass.-----	11	7	1	-	Washington, D. C.-----	229	109	7	7
Springfield, Mass.-----	46	32	2	-	Wilmington, Del.-----	64	29	1	9
Waterbury, Conn.-----	36	13	-	7					
Worcester, Mass.-----	45	27	3	1	EAST SOUTH CENTRAL:	660	358	24	30
MIDDLE ATLANTIC:	3,637	2,156	145	139	Birmingham, Ala.-----	121	70	2	4
Albany, N. Y.-----	60	30	2	3	Chattanooga, Tenn.-----	53	23	1	2
Allentown, Pa.-----	31	24	-	-	Knoxville, Tenn.-----	46	27	-	2
Buffalo, N. Y.-----	157	101	3	5	Louisville, Ky.-----	143	90	12	1
Camden, N. J.-----	53	33	1	3	Memphis, Tenn.-----	119	53	1	8
Elizabeth, N. J.-----	35	24	6	2	Mobile, Ala.-----	46	22	-	6
Erie, Pa.-----	42	19	4	4	Montgomery, Ala.-----	33	22	5	1
Jersey City, N. J.-----	66	44	7	4	Nashville, Tenn.-----	99	51	3	6
Newark, N. J.-----	85	47	3	5					
New York City, N. Y.-----	1,909	1,137	77	63	WEST SOUTH CENTRAL:	1,209	619	42	98
Paterson, N. J.-----	43	17	2	3	Austin, Tex.-----	36	23	5	6
Philadelphia, Pa.-----	492	279	6	16	Baton Rouge, La.-----	50	28	-	-
Pittsburgh, Pa.-----	207	106	9	13	Corpus Christi, Tex.-----	31	20	-	-
Reading, Pa.-----	66	40	3	2	Dallas, Tex.-----	149	73	2	18
Rochester, N. Y.-----	125	94	5	5	El Paso, Tex.-----	47	26	1	4
Schenectady, N. Y.-----	29	19	2	-	Fort Worth, Tex.-----	103	53	7	5
Scranton, Pa.-----	52	32	3	4	Houston, Tex.-----	274	145	8	27
Syracuse, N. Y.-----	87	47	1	6	Little Rock, Ark.-----	55	24	2	6
Trenton, N. J.-----	30	17	4	-	New Orleans, La.-----	148	63	2	12
Utica, N. Y.-----	21	18	4	-	Oklahoma City, Okla.-----	87	53	4	6
Yonkers, N. Y.-----	47	28	3	1	San Antonio, Tex.-----	124	50	3	10
EAST NORTH CENTRAL:	2,772	1,538	78	135	Shreveport, La.-----	59	34	7	4
Akron, Ohio-----	75	39	-	10	Tulsa, Okla.-----	46	27	1	-
Canton, Ohio-----	30	21	-	1					
Chicago, Ill.-----	757	388	26	40	MOUNTAIN:	491	262	14	33
Cincinnati, Ohio-----	185	112	6	10	Albuquerque, N. Mex.-----	48	26	3	1
Cleveland, Ohio-----	241	127	4	5	Colorado Springs, Colo.-----	32	15	3	3
Columbus, Ohio-----	133	63	1	9	Denver, Colo.-----	95	48	3	8
Dayton, Ohio-----	77	40	1	3	Ogden, Utah-----	29	16	2	5
Detroit, Mich.-----	360	208	6	14	Phoenix, Ariz.-----	125	65	-	5
Evansville, Ind.-----	55	35	2	3	Pueblo, Colo.-----	29	18	1	2
Flint, Mich.-----	65	26	-	6	Salt Lake City, Utah-----	66	36	1	5
Fort Wayne, Ind.-----	41	19	5	4	Tucson, Ariz.-----	67	38	1	4
Gary, Ind.-----	38	24	3	3					
Grand Rapids, Mich.-----	58	39	4	5	PACIFIC:	1,784	1,053	39	69
Indianapolis, Ind.-----	148	81	3	6	Berkeley, Calif.-----	25	21	2	-
Madison, Wis.-----	45	21	5	3	Fresno, Calif.-----	48	26	1	2
Milwaukee, Wis.-----	136	87	1	2	Glendale, Calif.-----	42	27	-	1
Peoria, Ill.-----	44	30	1	2	Honolulu, Hawaii-----	55	25	-	2
Rockford, Ill.-----	38	27	2	2	Long Beach, Calif.-----	92	53	-	3
South Bend, Ind.-----	46	26	4	2	Los Angeles, Calif.-----	557	323	14	27
Toledo, Ohio-----	116	74	3	3	Oakland, Calif.-----	118	59	2	10
Youngstown, Ohio-----	84	51	1	2	Pasadena, Calif.-----	35	27	-	-
WEST NORTH CENTRAL:	959	554	32	40	Portland, Oreg.-----	124	82	5	2
Des Moines, Iowa-----	61	41	5	1	Sacramento, Calif.-----	80	39	-	2
Duluth, Minn.-----	18	13	2	-	San Diego, Calif.-----	87	49	-	3
Kansas City, Kans.-----	54	24	4	7	San Francisco, Calif.-----	199	120	2	4
Kansas City, Mo.-----	152	80	1	7	San Jose, Calif.-----	34	25	5	-
Lincoln, Nebr.-----	33	23	2	2	Seattle, Wash.-----	172	94	5	10
Minneapolis, Minn.-----	142	92	2	6	Spokane, Wash.-----	72	52	1	2
Omaha, Nebr.-----	96	50	1	5	Tacoma, Wash.-----	44	31	2	1
St. Louis, Mo.-----	255	141	9	6					
St. Paul, Minn.-----	92	57	2	3	Total	13,583	7,669	454	652
Wichita, Kans.-----	56	33	4	3					
					Cumulative Totals including reported corrections for previous weeks				
					All Causes, All Ages ----- 313,335				
					All Causes, Age 65 and over----- 181,134				
					Pneumonia and Influenza, All Ages----- 16,868				
					All Causes, Under 1 Year of Age----- 14,184				

# INTERNATIONAL NOTES QUARANTINE MEASURES

*Additional Immunization Information for International  
Travel - 1967-68 edition - Public Health Service  
Publication No. 964*

The following information should be added to the list of  
Yellow Fever Vaccination Centers in Section 6:

City and State Center	New Orleans, Louisiana Ochsner Clinic 1514 Jefferson Highway Telephone 244-834-7070
Clinic Hours	Monday-Friday 8:00-10:00
Fee	No
City and State Center	Houston, Texas Kelsey-Seybold Clinic Clear Lake City Occupational Medicine Branch 907 Bay Area Boulevard Telephone 488-3355
Clinic Hours	Monday-Friday 8:00-5:00
Fee	Yes
City and State Center	Blountville, Tennessee Sullivan County Health Department Telephone 323-7131
Clinic Hours	Wednesday and Saturday 10:00-12:00 By Appointment
Fee	No
City and State Center	Fort Wayne, Indiana Fort Wayne Board of Public Health 337 East Wayne Street Telephone 742-9302
Clinic Hours	Wednesday 11:00-12:00
Fee	No
City and State Center	Bismarck, North Dakota Bismarck City Health Department Sixth and Thayer Telephone 223-9044
Clinic Hours	Last Thursday, each month 9:00-11:00
Fee	No
City and State Center	Detroit, Michigan Overseas Medical Center 525 Fisher Building Telephone 313-872-3770
Clinic Hours	Saturday 9:00-5:00 By Appointment
Fee	No

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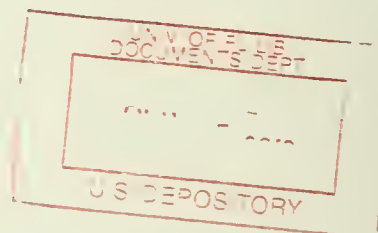
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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

NATIONAL COMMUNICABLE DISEASE CENTER  
ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPLETED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY.

U.S. DEPARTMENT OF  
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